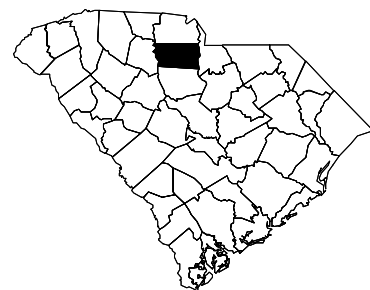


# IMPACT OF CHRONIC CONDITIONS CHESTER County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Chester county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Chester county's population is similar to the state population. The majority (37%) of the population in Chester county are between the ages of 18-44. There are more females (52%) than males (48%). However, Chester county has a higher minority population (40%) than the state (32%). When adults in Chester county were asked about their general health status, 80.1% reported having excellent, very good, or good health in 2002 (SC was 83%).

	CHESTER COUNTY	STATE
<b>Population size</b>	34,212	4,107,183
<b>Age distribution (%)</b>		
<18	25	24
18-44	37	40
45-64	25	24
65-84	11	11
85+	2	1
<b>Race (%)</b>		
White	60	68
Black & Other	40	32
<b>Sex (%)</b>		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Chester county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	22	27
Sedentary lifestyle	39	42
Overweight	64	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.7	.	.	.	.	28.4
Number of hospitalizations	78	53	25	33	45	5,173
Standard rate of hospitalizations (per 100,000)	219	500	103	220	220	125
Median age of hospitalized patients	63	58	68	53	68	63
Total cost of hospitalization (\$)	682,400	428,300	254,100	303,000	379,400	79,350,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	90	64	26	33	57	7,306
Standard rate of ED visits (per 100,000)	254	541	109	205	295	175
Median age of ED patients	53	48	68	58	53	53
Total cost of ED visits (\$)	53,800	30,300	23,500	22,200	31,600	5,902,800
Number of deaths*	2	2	-	1	1	366
Standard death rate (per 100,000)*	6	24	-	8	4	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.94	.	.	.	.	5.13
Number of hospitalizations	434	129	305	239	195	30,831
Standard rate of hospitalizations (per 100,000)	1,187	1,222	1,187	1,502	926	734
Median age of hospitalized patients	63	63	65	68	63	68
Total cost of hospitalization (\$)	11,829,600	2,763,500	9,066,100	7,415,100	4,414,500	969,122,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	61	12	49	37	24	2,754
Standard rate of ED visits (per 100,000)	166	113	194	228	116	66
Median age of ED patients	58	78	55	53	68	63
Total cost of ED visits (\$)	199,000	26,300	172,700	96,000	103,000	10,617,900
Number of deaths*	99	29	70	52	47	9,723
Standard death rate (per 100,000)*	282	306	275	377	203	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.76	.	.	.	.	2.38
Number of hospitalizations	139	38	101	71	68	14,317
Standard rate of hospitalizations (per 100,000)	390	378	397	487	318	351
Median age of hospitalized patients	73	63	78	68	78	73
Total cost of hospitalization (\$)	2,671,800	626,100	2,045,700	1,494,600	1,177,200	279,819,700
Average length of hospital stay (days)	5	5	5	6	5	6
Number of ED visits	23	10	13	11	12	2,732
Standard rate of ED visits (per 100,000)	63	99	51	66	56	67
Median age of ED patients	73	63	80	63	78	73
Total cost of ED visits (\$)	42,900	17,800	25,100	21,400	21,500	6,322,600
Number of deaths*	23	9	14	8	15	2,816
Standard death rate (per 100,000)*	65	95	54	56	68	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	199	54	145	61	138	14,524
Standard rate of hospitalizations (per 100,000)	556	415	604	374	712	351
Median age of hospitalized patients	53	33	58	43	58	58
Total cost of hospitalization (\$)	2,444,900	636,600	1,808,300	884,400	1,560,500	198,700,700
Average length of hospital stay (days)	4	3	5	4	4	5
Number of ED visits	437	186	251	185	252	37,517
Standard rate of ED visits (per 100,000)	1,259	1,364	1,175	1,132	1,384	914
Median age of ED patients	38	28	48	28	38	33
Total cost of ED visits (\$)	286,900	114,000	172,900	126,600	160,300	30,607,600
Number of deaths*	13	3	10	3	10	1,891
Standard death rate (per 100,000)*	38	26	39	21	49	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.8	.	.	.	.	8.33
Number of hospitalizations	94	51	43	46	48	8,652
Standard rate of hospitalizations (per 100,000)	260	442	189	280	248	207
Median age of hospitalized patients	65	58	73	60	70	53
Total cost of hospitalization (\$)	1,372,600	885,400	487,200	498,600	874,000	127,167,500
Average length of hospital stay (days)	4	5	4	4	5	6
Number of ED visits	88	46	42	31	57	9,316
Standard rate of ED visits (per 100,000)	253	393	186	196	302	224
Median age of ED patients	53	53	63	43	63	53
Total cost of ED visits (\$)	70,600	32,000	38,600	23,300	47,300	8,261,100
Number of deaths*	12	6	6	5	1	1,114
Standard death rate (per 100,000)*	33	57	23	51	6	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	203	95	108	82	121	24,644
Standard rate of hospitalizations (per 100,000)	566	822	441	535	631	591
Median age of hospitalized patients	58	53	63	65	53	58
Total cost of hospitalization (\$)	6,507,300	3,117,500	3,389,800	3,159,900	3,347,400	605,119,300
Average length of hospital stay (days)	6	6	6	7	5	6
Number of deaths*	79	24	55	48	31	8,320
Standard death rate (per 100,000)*	215	227	208	315	147	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	8	15	11	12	2,113
Standard rate of hospitalizations (per 100,000)	63	74	59	68	57	51
Median age of hospitalized patients	68	63	68	63	73	68
Total cost of hospitalization (\$)	1,186,700	475,800	710,900	608,700	578,000	80,248,200
Average length of hospital stay (days)	9	9	10	10	9	10
Number of deaths*	1	1	-	-	1	807
Standard death rate (per 100,000)*	3	11	-	-	5	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	7	9	.	16	1,465
Standard rate of hospitalizations (per 100,000)	43	61	34	.	79	35
Median age of hospitalized patients	58	58	63	.	58	63
Total cost of hospitalization (\$)	261,600	117,100	144,500	.	261,600	21,213,600
Average length of hospital stay (days)	2	3	2	.	2	3
Number of deaths*	3	2	1	-	3	630
Standard death rate (per 100,000)*	8	19	3	-	14	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	.	.	.	.	.	5
Median age of hospitalized patients	.	.	.	.	.	48
Total cost of hospitalization (\$)	.	.	.	.	.	3,668,300
Average length of hospital stay (days)	.	.	.	.	1	4
Number of deaths*	1	-	-	1	2	26
Standard death rate (per 100,000)*	8	-	-	5	11	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	5	18	13	10	2,154
Standard rate of hospitalizations (per 100,000)	63	40	68	81	48	51
Median age of hospitalized patients	68	53	73	63	70	68
Total cost of hospitalization (\$)	979,900	509,100	470,800	630,000	349,900	70,474,400
Average length of hospital stay (days)	8	14	7	8	9	9
Number of deaths*	28	7	21	21	7	2,481
Standard death rate (per 100,000)*	75	57	78	132	34	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	10	6	16	.	1,353
Standard rate of hospitalizations (per 100,000)	43	90	23	98	.	32
Median age of hospitalized patients	65	63	73	65	.	68
Total cost of hospitalization (\$)	371,700	179,000	192,700	371,700	.	24,726,200
Average length of hospital stay (days)	4	3	6	4	.	4
Number of deaths*	5	1	4	5	-	478
Standard death rate (per 100,000)*	14	12	15	41	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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